WST2

WSDOT's Highways & Local Programs and the **WST2 Center present:**

Modern Chip Seal Techniques

May 2, 2005 (#977)   **WSDOT Northwest Region Hdq., 15700 Dayton Avenue N.,**
Shoreline, WA 98133 (206) 440-4000

May 3, 2005 (#926)   **Best Western Lake Inn, 3000 Marina Drive,**
Moses Lake, WA 98837 (509) 765-9211

May 4, 2005 (#927)   **Pierce County Library Processing & Administrative Center,**
3005 112th Street E., Tacoma, WA 98446 (253) 536-6500

May 5, 2005 (#964)   **WSDOT SW Region Hdq., 11018 NE 51st Circle,**
Vancouver, WA 98682 (360) 905-2000

(The phone numbers above should only be used in case of emergency to contact a student in a class.)

Cost: $50   **Time: 9:00 am to 4:00 pm**   **Maximum Class Size: 30**

Target Audience

Supervisors, lead workers and key employees on chip seal crews. May also be of interest to inspectors on chip seal projects.

Course Description

This course will cover the following topics:

- Light coverage of asphalt chemistry
- Light coverage of purpose of chip sealing
- Asphalt for Chip Sealing
    - Cut back asphalt
    - High float asphalt
    - Asphalt emulsions
    - Polymer modified emulsions
- Aggregates for Chip Sealing
    - Qualities of good chips
    - Single size chips
    - Graded chips
- Chip Seal design
    - Factors affecting asphalt shot rates
    - Factors affecting ship spread rates
    - McLeod design procedures
- Supervising Chip Seal crews
    - Planning and scheduling
    - Directing the work
    - Achieving production
    - Getting a quality job at a reasonable cost
    - Material delivery scheduling
    - Public relations
    - Risk management
    - Traffic control

Washington State Department of Transportation

- Equipment preparation, calibration and maintenance
    - Asphalt distributors
    - Chip spreaders
    - Trucks
    - Rollers
- Constructing a Chip Seal
    - Stock pile operations
    - Trucking
    - Asphalt application
    - Chip application
    - Rolling
    - Clean up
- Weather conditions
    - Rain
    - Cool weather
    - Late season sealing
    - Hot weather sealing
- Cost management

Instructor

Phil Barto P.E., Fleet Engineering Services. Mr. Barto is retired from Spokane County Road Department where he was Operations Engineer for 23 years.

Questions? Contact Laurel Gray at (360) 705-7355 or GrayL@wsdot.wa.gov.

Class Registration

Please register on-line using this link: On-line Registration Form. Fill in your information*, select your class from the drop-down list, then press "Submit." You will receive an e-mail notification with driving directions to the training site when we process your request. **If you do not receive this e-mail notification within a day or two, you may not be registered and should contact us by phone.**

Confirmation letters will be mailed three weeks before the class along with an invoice; please forward invoice to your accounting office. We would appreciate payment before the end of June in anticipation of the end of our biennium.

If you are unable to attend class, someone else from your agency may go in your place. To cancel your registration, or for assistance with registration, please e-mail wst2center@wsdot.wa.gov or schmidw@wsdot.wa.gov or phone (360) 705-7386.

* A "unique identifier" for each student is now required when registering on-line. It may contain 3 to 8 alpha and/or numeric characters. You might use your phone extension number, a pet's name, your birthstone, birthdate, etc. but please make it something you will remember. Our computer will match your last name with your identifier to automatically and quickly register you into a class (providing there is space available).

(Disability accommodations provided upon request.)

Washington State Technology Transfer Center's Web Page

www.wsdot.wa.gov/TA/T2Center/t2hp.htm

**Washington State
Department of Transportation**